

II. Listing of Claims

This list will replace all prior versions and listings of claims in the Application.

1. (Currently Amended) A medical grade deformer, comprising:

 an axial member; and

 a pliable tube mounted on said axial member and adapted to be deformed from a first, narrower diameter, configuration to a second, greater diameter, configuration, wherein the tube is slotted along a majority of its length in an axial direction, wherein said tube defines a plurality of slots such that when deformed to the second configuration, a plurality of axially displaced leaves extend from said tube to define said second configuration, wherein adjacent leaves touch each other in said second configuration.
2. (Original) A deformer according to claim 1, wherein said tube is slotted through its thickness.
3. (Canceled)
4. (Previously Presented) A deformer according to claim 1, comprising at least a first end of the deformer engaging a first end of said tube and adapted to apply compressive force to said tube for achieving said deformation.
5. (Previously Presented) A deformer according to claim 4, comprising at least a second end of the deformer engaging a second end of said tube and adapted to cooperate with said first end of the deformer to compress said tube.

6. (Previously Presented) A deformer according to claim 5, wherein said first and second ends of the deformer and said axial member lock to maintain said pliable tube in a greater diameter configuration.
7. (Original) A deformer according to claim 1, wherein said tube changes configuration by axial compression thereof.
8. (Original) A deformer according to claim 1, wherein said axial member is rigid.
9. (Canceled)
10. (Original) A deformer according to claim 1, wherein said axial member extends out of said tube and is attached to a handle.
11. (Original) A deformer according to claim 1, wherein said axial member comprises a release mechanism for release of said deformer from a delivery system.
12. (Original) A deformer according to claim 11, wherein said axial member comprises a locking mechanism for locking of said deformer in a greater diameter configuration in conjunction with release.
13. (Original) A deformer according to claim 1, wherein said deformer includes a channel adapted for bone filler flow.
14. (Original) A deformer according to claim 13, wherein said channel is formed in said axial member.

15. (Original) A deformer according to claim 13, wherein said channel is formed between said axial member and said tube.
16. (Original) A deformer according to claim 1, wherein said axial member extends from said tube and is adapted to function as a hinge of a joint.
17. (Original) A deformer according to claim 1, wherein said deformer forms a bone attachment unit for a prosthesis.
18. (Original) A deformer according to claim 1, comprising an enclosing bag, which surrounds said tube in said second configuration.
19. (Original) A deformer according to claim 18, wherein said bag is bio-degradable in the body.
20. (Original) A deformer according to claim 18, wherein said bag is porous.
21. (Original) A deformer according to claim 1, wherein said deformer defines a general volume in the shape of a cylinder when in said second configuration.
22. (Canceled)
23. (Original) A deformer according to claim 1, wherein said deformer defines an axially rotationally asymmetric general volume when in said second configuration.

24. (Original) A deformer according to claim 1, wherein said deformer defines a predetermined general volume when in said second configuration.
25. (Original) A deformer according to claim 1, wherein said deformer comprises a set of axially contiguous zones with different material properties.
26. (Original) A deformer according to claim 1, wherein said deformer has a non-smooth outer surface in said second configuration.
27. (Original) A deformer according to claim 1, wherein said deformer is stiff enough, when in said second configuration to resist a trans-axial force of at least 50 Kg.
28. (Original) A deformer according to claim 1, wherein said deformer, when in said second configuration has an axial applied force of at least 2 Kg.
29. (Original) A deformer according to claim 1, wherein said pliable material has a shore hardness of between 50A and 90D.
30. (Original) A deformer according to claim 1, wherein said pliable material is non-metallic.
31. (Original) A deformer according to claim 1, wherein said pliable material is polymeric.
32. (Original) A deformer according to claim 1, wherein said deformer includes at least one axial thread.

33. (Original) A deformer according to claim 1, wherein said deformer includes at least one circumferential thread.

34. (Original) A deformer according to claim 1, wherein said deformer, in said second configuration, defines a general volume and wherein said deformer fills at least 30% of said volume.

35. (Original) A deformer according to claim 1, wherein said deformer, in said second configuration, defines a general volume and wherein said deformer fills at least 50% of said volume.

36. (Canceled)

37. (Currently Amended) A deformer according to claim 1 ~~claim 36~~, wherein said tube defines at least three axially displaced leaves.

38. (Canceled)

39. (Currently Amended) A deformer according to claim 1 ~~claim 36~~, wherein an end leaf is shorter than a non-end leaf.

40. (Currently Amended) A deformer according to claim 1 ~~claim 36~~, wherein an end leaf is supported, on one side thereof, by an end cap of said deformer.

41. (Currently Amended) A deformer according to claim 1 ~~claim 36~~, wherein adjacent leaves deform each other.

42. (Currently Amended) A deformer according to claim 1 ~~claim 36~~, wherein at least 50% of the leaves are deformed from a plane.

43-51. (Canceled)